

## **Research position on Printed Optics by Ultrafast Laser Direct Writing**

A research fellowship is available in the field between femtosecond laser direct writing, nanostructuring of optical materials and geometrical phase optics on recently funded by EPSRC project at the Optoelectronics Research Centre (ORC), University of Southampton. The research involves fundamental study of interaction of ultrashort light pulses with optical materials, in particular, recently discovered self-assembled nanostructuring of transparent materials by femtosecond direct writing and its applications for printed geometrical phase optics fabrication. We are looking for a hands-on experimental scientist with the drive to solve difficult and challenging technological and scientific problems. Experience in one of the following fields: ultrafast laser material processing, femtosecond laser direct writing, nonlinear optics, micro-optics and nano-optics would be helpful. The main qualification is a good track record of innovative research at an international level.

The majority of time will be spent conducting novel research in our state of art ultrafast laser laboratory. The applicant should demonstrate experience working with ultrafast laser systems and setting up complex optical experiments. Applicants with a PhD in physics or a related field with good communication skills and the ability to work independently or as a part of a team on a challenging project should apply.

The post-doctoral position is available for one year from March 2018.

Informal enquiries may be directed to Prof Peter Kazansky, ORC, University of Southampton, on tel: +44 (0) 79 1969 5972 or email: [pgk@soton.ac.uk](mailto:pgk@soton.ac.uk).

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Application forms and a job description may be obtained from the Personnel Department, University of Southampton, Highfield, Southampton, SO17 1BJ, Tel: +44 (0) 23 8059 2750, e-mail: [recruit@soton.ac.uk](mailto:recruit@soton.ac.uk)